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The results of a survey (87% response) of all public and private secondary schools in Connecticut during May of 1967 indicate that more than 10% are making some instructional use of computers. These 34 schools which utilize computers provided information on the teachers and students who were using the computer, the subjects being taught, the type of hardware involved, the software utilized, and the location of the computer. The survey showed a 240% increase in computer use in a year's time and the introduction of two new subjects, computer science and programing, into the school curriculum. (MT)

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SURVEY OF THE INSTRUCTIONAL USE OF THE COMPUTER IN CONNECTICUT'S PUBLIC AND PRIVATE HIGH SCHOOLS.

December, 1968

Connecticut State Department of Education
Bureau of Elementary and Secondary Education
Box 2219/ Hartford/ 06115

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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During the summer of 1968 a questionnaire was mailed to all principals of private and public high schools in the State. The questionnaire dealt with the Instructional Use of the Computer and included questions that would determine the teachers and students who were using a computer (including the subject area designation), the type of hardware involved, the location of the computer and the software utilized.

Eighty seven per cent of all public and private secondary schools in Connecticut responded to the questionnaire. This included a 77% return from the private and parochial schools and a 95% return from the public schools.

In answer to the question, "Is a computer being used by students and teachers in the instructional program in any subject at your school?" the results are as follows:

Type of School	Number	Yes	No
Private (including parochial)	73	11%	89%
Public	134	18%	82%

Those schools answering "yes" to the initial question submitted additional information. Pages 3 through 6 contain information derived from the responses of the 34 schools who said their teachers and students were using a computer as a part of their instructional program.

SUMMARY

More than 10% of all Connecticut secondary schools are making some instructional use of the computer. A slightly larger percentage of public than private (including parochial) schools currently report they are making such use of computers.

A survey was conducted in May 1967 to determine the extent of computer use in Connecticut secondary schools. Compared with the results of this survey there has been a 240% increase in the instructional use of the computer in one year.

Two new subjects in the school curriculum were reported: computer science and computer programming.

The table below shows the frequency of computer use in the subject areas.

Subject Involved	Frequency
Mathematics	30 schools
Science	16 "
Business Education	4 "
Computer Science	4 "
Music	3 "
Computer Programming	2 "
Social Studies	3 "
French	1 "

Of the 34 schools involved with the instructional use of the computer 18 schools are utilizing a free standing type computer located in their school, 12 are tied to a remote computer installation on a shared time basis and 4 are using a computer in a nearby institution or industry.

TOWN	SCHOOL	CONTACT PERSON	SUBJECTS INVOLVED	FREE STANDING	TIME SHARED	HARDWARE USED	LOCATION (If other than school)	LANGUAGE
Avon	*Avon Old Farms School	Richard W. C. Evans Jr.	Mathematics Science	Yes	No	Digital PDP8/I Link 8	Talcott Mt. Science Center	FOCAL
Avon	Avon High School	Charles D. Kepner Jr.	Mathematics	Yes	No	Digital PDP8/I Link 8	Talcott Mt. Science Center	FOCAL
Branford	Branford High School	Harry G. Morgan	Mathematics	No	No	Honeywell 200	No Response	FORTRAN IV D
Clinton	Morgan School	Miss Alice Dempsey	Mathematics Science	No	Yes	IBM360/50	Yorktown Heights, New York	APL
Darien	Darien High School	John O'Meara	Intro. To Programming Computer Science	No	Yes	General Electric	No Response	BASIC FORTRAN
East Lyme	East Lyme High School	Lawrence S. Steery	Mathematics Science	Yes	No	Olivetti Underwood Programma 101		
Glastonbury	Glastonbury High School	Miss Linda Ball	Mathematics Science	Yes	No	Olivetti Underwood Programma 101		
Greenwich	Greenwich High School	Bernard Capuano	Mathematics	No	Yes	General Electric	No Response	BASIC FORTRAN
Guilford	Guilford Senior High School	Miss Patricia Tyler	Computer Science	Yes	No	PDP8/S		FOCAL

TOWN	SCHOOL	CONTACT PERSON	SUBJECTS INVOLVED	FREE STANDING	TIME SHARED	HARDWARE USED	LOCATION (If other than school)	LANGUAGE
Hamden	Hamden High School	Charles S. Hartley	Mathematics	Yes	No	PDP8/S		FORTRAN FOCAL PAL III
Kent	*Kent School	Robert Mott	Mathematics French Music Physics	No	Yes		Dartmouth College	BASIC
Mansfield	E. O. Smith School	Arthur Goldberg	Science Business Education	No	Yes	IBM 082	University Connecticut Computer Center	FORTRAN
Montville	*St. Bernard's Boys High School	William Michael J. Doyle	Mathematics	Yes	No	Wang 300 & 320 Calculator & Programmer		
New Haven	Richard C. Lee High School	David B. Howell	Mathematics	No	Yes	General Electric	No Response	BASIC
New Milford	*Canterbury School	Paul A. Cauchon	Mathematics Computer Science	No	Yes	BBN	East Orange N. J.	TELCOMP
Newtown	Newtown High School	Eugene O'Hara	Programming	No	Yes		New York Cambridge Philadelphia	FORTRAN BASIC CAL
North Haven	North Haven High School	Delio J. Rotondo	Mathematics & others	Yes	No	IBM 1620		FORTRAN

TOWN	SCHOOL	CONTACT PERSON	SUBJECTS INVOLVED	FREE STANDING	TIME SHARED	HARDWARE USED	LOCATION (If other than school)	LANGUAGE
Norwich	*Norwich Free Academy	Joseph Levanto	Mathematics Business Education	Yes	No	IBM 1401 (Disk System)		FORTRAN CABOL AUTOCODER
Pomfret	*Pomfret School	Per-Jan Ranhoff	Mathematics Physics Computer Science	Yes	No	PDP8		LANGUAGE FOCAL FORTRAN PAL III MACHINE
Redding	Joel Barlow High School	Russell Dobelstein	Mathematics Science Social Studies	Yes	No	IBM 1620		FORTRAN SYMBOLIC MACHINE
Salisbury	*Hotchkiss School	Gerald W. Husted	Mathematics	Yes	No	IBM 1620		FORTRAN
So. Windsor	So. Windsor High School	Miss Ann Duffy	Mathematics Science Business Education	Yes	No	PDP8/S		FORTRAN FOCAL PAL III
Stamford	Rippowam High School	John A. Engel	Mathematics	Yes	No	PDP8/L		FOCAL
Stamford	Stamford High School	Miss Elizabeth McDonald	Mathematics	Yes	No	PDP8/L		FOCAL
Trumbull	Trumbull High School	Ralph Money	Mathematics	No	Yes	General Electric	No Response	BASIC
Wallingford	*Choate School	C. Robert Clements	Mathematics Chemistry	No	Yes	IBM 360/50	Yale University	FORTRAN PLI

TOWN	SCHOOL	CONTACT PERSON	SUBJECTS INVOLVED	FREE STANDING	TIME SHARED	HARDWARE USED	LOCATION (If other than school)	LANGUAGE
Watertown	*Taft School	Edwin C. Douglas	Mathematics Science	Yes	No	PDP8/S Olivetti Underwood Programma 101		FORTRAN FOCAL
West Hartford	Conard High School	James F. Fox	Mathematics	Yes	No	IBM 1620		FORTRAN
West Hartford	William Hall High School	Mrs. Laura Whittle	Mathematics	No	No	IBM 1620	Conard High School	FORTRAN
Westport	Staples High School	Craig Matheson	Mathematics	Yes	No	Hewlett Packard 9100		
Wilton	Wilton High School	Clarence Butler	Mathematics Business Education Science	Yes	No	PDP8/L		FORTRAN FOCAL
Windsor	*Chaffee School	Edith Gengras	Mathematics	No	Yes	General Electric 625	Dartmouth College	BASIC FORTRAN ALGOL
Windsor	*Loomis School	John C. Hauber	Mathematics Science History Music	No	Yes	General Electric 625	Dartmouth College	BASIC FORTRAN ALGOL
Woodbridge	Amity Senior High School	Sidney Trachtenberg	Mathematics Science Music	Yes		PDP8/S		FOCAL FORTRAN II MACRO 8 PAL III

* - Private Schools

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